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UNIT SPECIFIC TECHNICAL MEMORANDUM: CHEMICAL STORAGE BUILDING PRATT & WHITNEY, EAST HARTFORD, CT

AREA: North Klondike

RCRA RECORDS CENTER
FACILITY pratt+whitney
I.D. NO. CTD990672081
FILE LOC. R-9
OTHER RDMS#1142

SUB-AREA: Explosives Storage Area

ENVIRONMENTAL UNIT: Chemical Storage Building

Location: The Chemical Storage Building is located in the North Klondike Area on the fifth road south off of the north access road, see Drawing 1.

Description: The Chemical Storage Building was a 6 foot by 9 foot building surrounded by a 20 foot by 24 foot chain-link fence. The building no longer exists and was likely demolished sometime after operations were halted in 1993.

Dates of Operation: Approximately 1957 to 1993.

Processes: Storage of acids, bases, and cleaning solvents.

Aerial Photographs: Large-scale aerial photographs for 1965, 1970, and 1975 were obtained from Keystone Aerial Surveys, Inc. Three small aerial photographs were also obtained from the Pratt & Whitney (P&W) Photographic Services Department.

All of these aerial photographs confirm that there was a structure located in the Explosives Storage Area that matches the description of the Chemical Storage Building. No contamination was identifiable on the aerial photographs that depict this unit.

Specific Contaminants of Concern: Acids, bases, and cleaning solvents. In order to be as comprehensive as possible in the investigation that was conducted, the following constituent groups were analyzed for: volatile organic compounds (VOCs), metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, nickel, and zinc), and total petroleum hydrocarbons (TPH).

Potential Release Mechanism: Impacts to soils and groundwater associated with potential spillage or leakage from the storage of chemicals inside the building.

INVESTIGATION AND REMEDIATION ACTIVITIES:

Due to the potential for a release associated with chemicals stored in the building, subsurface investigations to determine the degree and extent of soil contamination were performed in July 1996, October 1996, and July 1997. Prior to 1996, no investigation had reportedly been performed.

July 1996 Investigation (LEA):

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Description: On July 2, 1996, two soil borings (NK-SB-16 and NK-SB-17) were advanced in the vicinity of the Chemical Storage Building by Loureiro Engineering Associates, P.C. (LEA), as shown on Figure 1. Soil samples were collected from each of the borings in continuous 2-foot intervals to 14 feet, with a one foot interval from 14 to 15 feet. The depth of 15 feet was selected to ensure that sufficient data were collected for comparisons against the direct exposure criteria in the Connecticut Remediation Standard Regulation (RSR).

A total of 17 soil samples were submitted to the LEA Analytical Laboratory and screened for the presence of target VOCs, including benzene (BZ), ethylbenzene (EBZ), tetrachloroethylene (PCE), toluene (TL), 1,1,1-trichloroethane (TCA), trichloroethylene (TCE), and xylenes (XYL). Based on visual, olfactory, or instrument evidence, and with consideration of the potential release mechanism, two samples from each boring were submitted to Averill Environmental Laboratory, Inc. (AEL) and analyzed for the presence of VOCs, metals, and TPH.

On July 3, 1996, groundwater samples were also collected from both borings (NK-SB-16 and NK-SB-17) using Geoprobe® screen-point groundwater sampling techniques. The groundwater samples were collected from a depth of 5 to 7 feet below the ground surface. The groundwater samples were submitted to AEL for analysis for VOCs, metals, and TPH. A summary of the samples collected and analyses performed is included in Table 1.

Investigation Results: Based on the boring logs, groundwater was encountered at approximately 4 feet in both borings. Varved clay was encountered at approximately 10 feet in boring NK-SB-16 and 10.5 feet in boring NK-SB-17. No visual or olfactory evidence of contamination was noted on the boring logs.

Concentrations of constituents detected in soil samples collected for this unit are presented in Table 2. A complete summary of the sample analytical results with detection limits is presented in Table 3. Detected concentrations at each soil sampling location are shown on Drawing 1. No VOCs were detected in the soil samples submitted to the LEA Analytical Laboratory. No VOCs or TPH were detected in the soil samples submitted to AEL. One or more of the metals analyzed were detected in each of the four samples submitted for analysis. These metals include arsenic, barium, chromium, nickel, and zinc.

Concentrations of constituents detected in groundwater samples collected for this unit are presented in Table 4. A complete summary of groundwater sample analytical results with detection limits is presented in Table 5. The concentrations of the constituents detected at each groundwater sampling location are shown on Drawing 2. No VOCs or TPH were detected in the groundwater samples submitted to AEL. One or more of the metals analyzed were detected in each of the two groundwater samples submitted for analysis. Barium was detected in NK-SB-16 and NK-SB-17 at concentrations of 0.055 and 0.034 milligrams per liter (mg/l), respectively. Zinc was detected in NK-SB-16 and NK-SB-17 at concentrations of 0.156 and 0.299 mg/l, respectively.

Data Evaluation and Conclusions: The data were compared against the default numeric criteria included in the RSR and the site-wide background soil concentrations for the North Klondike for various metals. For a more detailed discussion of background concentrations of metals in soil,

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refer to Technical Memorandum (TM) 4, *Background Soil Sampling and Analysis*. Criteria are established in the RSR based on exposure pathways for various environmental media, including soil and groundwater. The qualitative evaluation of the soils data is based on a comparison to the residential direct exposure criteria (RDEC), the industrial/commercial direct exposure criteria (IDEC), the GB pollutant mobility criteria (GBPMC) included in the RSR. The evaluation of the groundwater data is based on a comparison to the surface water protection criteria (SWPC) and the residential volatilization criteria (RVC) and industrial/commercial volatilization criteria (IVC) included in the RSR.

The concentrations of the metals detected in these samples are typical of site-wide background concentrations, except for the barium, chromium, nickel, and zinc detected in NK-SB-16 at a depth of 8 to 10 feet, and the zinc detected in NK-SB-17 at a depth of 14 to 15 feet, which are elevated above the site-wide background concentrations. Metals concentrations detected in unsaturated soil samples collected from these borings were consistent with site-wide background concentrations, therefore, the metals detected at this unit are believed to be typical of background concentrations, and are not indicative of a release from this unit. For the metals detected in soil, no exceedances of the RDEC and IDEC were noted.

The concentrations of barium detected in the groundwater samples are typical of background concentrations and are not indicative of a release from this unit. Background concentrations of metals in groundwater are discussed in greater detail in TM 3, *Summary of Groundwater Sampling and Analysis, North Klondike and North Airport Areas*. The concentrations of zinc were greater than concentrations found at other units within the Explosives Storage Area. For the metals detected in groundwater, zinc was detected above the SWPC of 0.123 mg/l in NK-SB-16 and NK-SB-17.

Based on field observations and the laboratory results, there is limited evidence that a release may have occurred at this unit. Elevated zinc concentrations are present in groundwater; although, zinc concentrations in the soil are generally typical of background. Additional investigation is required to determine the source of the elevated zinc detected in groundwater.

October 1996 Investigation (LEA):

Description: On October 16, 1996, three soil borings (NK-SB-208 through NK-SB-210) were in the vicinity of the Chemical Storage Building, as shown on Figure 1. The borings were located in a triangle placed around the groundwater locations with elevated zinc concentrations; one of the boring was upgradient and the other two were down gradient of the groundwater sampling locations. Soil samples were collected from each of the borings in continuous 2-foot intervals to a depth of 12 feet in NK-SB-208, and to a depth of 8 feet in boring NK-SB-209 and NK-SB-210. The depth of 12 feet was selected to ensure that the varved clay was encountered. Because clay was encountered above 12 feet in the first two borings, the third boring was only advanced to 8 feet.

A total of 17 soil samples were submitted to the LEA Analytical Laboratory and screened for the presence of select VOCs. Based on visual, olfactory, or instrument evidence, and with

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consideration of the potential release mechanism, one sample from each boring was submitted to AEL and analyzed for the presence of metals.

Unsaturated soil samples from the 2 to 4 foot interval from borings NK-SB-208 through NK-SB-210 were also analyzed by AEL for pH to look for evidence of a possible acid spill, which could potentially mobilize the naturally occurring zinc in the soil. For the purpose of comparison, soil samples from the 2 to 4 foot interval at the adjacent unit (the Outside Chemical Storage Shed) were also submitted to AEL for analysis for pH. The soil samples were selected from borings NK-SB-14 and NK-SB-15 and NK-SB-205 through NK-SB-207 in the Outside Chemical Storage Shed Area.

On October 16, 1996, groundwater samples were collected from all three borings (NK-SB-208 through NK-SB-210) using Geoprobe® screen-point groundwater sampling techniques. The groundwater samples were collected from a depth of 7 to 9 feet below the ground surface from NK-SB-208 and NK-SB-209, and at a depth of 4.5 to 6.5 feet from NK-SB-210. The groundwater samples were submitted to AEL for metals analysis. A summary of the samples collected and analyses performed during this investigation is included in Table 1.

Investigation Results: Based on the boring logs, groundwater was encountered at approximately 4 feet in borings NK-SB-208 and NK-SB-209 and 3.5 feet in boring NK-SB-210. Varved clay was encountered at approximately 8.5 feet in borings NK-SB-208 and NK-SB-209 and 7.5 feet in boring NK-SB-210. No visual or olfactory evidence of contamination was noted on the boring logs.

Concentrations of constituents detected in soil samples collected for this unit are presented in Table 2. The highest concentration of each constituent detected above background at each sampling location is shown on Figure 1. No VOCs were detected in the soil samples submitted to the LEA Analytical Laboratory. One or more of the metals analyzed were detected in each of the three soil samples submitted for analysis. These metals include arsenic, barium, chromium, and zinc. The pH of the soil samples from this unit ranged from 5.0 to 7.1. The pH of the soil samples from the adjacent unit (the Outside Chemical Storage Shed) ranged from 4.8 to 6.6.

Concentrations of constituents detected in groundwater samples collected for this unit are presented in Table 3. One or more of the metals analyzed were detected in each of the three groundwater samples submitted to AEL. Barium was detected in NK-SB-208 through NK-SB-210 at concentrations of 0.108, 0.058, and 0.069 mg/l, respectively. Zinc was detected in NK-SB-208 through NK-SB-210 at concentrations of 0.090, 0.012, and 0.085 mg/l, respectively.

Data Evaluation and Conclusions: The data were compared against the default numeric criteria included in the RSR and the site-wide background soil concentrations for the North Klondike for various metals. For a more detailed discussion of background concentrations of metals in soil, refer to TM 4, *Background Soil Sampling and Analysis*. Criteria are established in the RSR based on exposure pathways for various environmental media, including soil and groundwater. The qualitative evaluation of the soils data is based on a comparison to the RDEC, the IDEC, and the GBPMC included in the RSR. The evaluation of the groundwater data is based on a comparison to the SWPC, RVC, and IVC included in the RSR.

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The concentrations of the metals detected in these samples are typical of site-wide background concentrations, except for barium detected in NK-SB-208 at a depth of 6 to 8 feet, NK-SB-209 at a depth of 6 to 8 feet, and NK-SB-210 at a depth of 4 to 6 feet, which are elevated above the site-wide background concentrations. The metals detected in soil samples collected at this unit are believed to be typical of background concentrations, and are not indicative of a release from this unit. For the metals detected in soil, no exceedances of the RDEC and IDEC were noted.

The concentrations of barium and zinc detected in the groundwater samples are typical of background concentrations and are not indicative of a release from this unit. Background concentrations of metals in groundwater are discussed in greater detail in TM 3, *Summary of Groundwater Sampling and Analysis, North Klondike and North Airport Areas*. The concentrations of zinc were lower than concentrations found at other units within the Explosives Storage Area. For the metals detected in groundwater, no exceedances of the SWPC were noted.

Based on field observations and the laboratory results, there is limited evidence that a release may have occurred at this unit. No elevated metals concentrations are present in groundwater. Additional investigation is required to determine the source of the elevated barium detected in soil.

July 1997 Investigation (LEA):

Description: On July 16, 1997, two soil borings (NK-SB-341 and NK-SB-342) were advanced in the vicinity of the Chemical Storage Building, as shown on Figure 1. The borings were located within the footprint of the former building (NK-SB-341) and immediately to the west of the former building (NK-SB-342). The borings were located within and immediately adjacent to the former building footprint so as to intercept any releases from within the building or its immediate vicinity. Soil samples were collected from each boring in continuous 2-foot intervals. The depth of 12 feet was selected to ensure that the varved clay was encountered.

A total of 13 soil samples were submitted to the LEA Analytical Laboratory and screened for the presence of selected VOCs. Based on visual, olfactory, or instrument evidence, and with consideration of the potential release mechanism, one sample from each boring was submitted to Quanterra Environmental Services (QNT), and analyzed for VOCs metals, and pH.

On July 16, 1997, groundwater samples were collected from both borings, NK-SB-341 and NK-SB-342, using Geoprobe® screen-point groundwater sampling techniques. The groundwater samples were collected from depths of 4 to 8 feet below the ground surface. The groundwater samples were submitted to QNT for analysis for VOCs and metals from approximately the same intervals as the corresponding soil samples. A summary of the samples collected and analyses performed during this investigation is included in Table 1.

Investigation Results: Based on the boring logs, groundwater was encountered at approximately 4 feet in borings NK-SB-341 and NK-SB-342. Varved clay was encountered at approximately 9 feet in both soil borings. No visual or olfactory evidence of contamination was noted on the boring logs.

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Concentrations of constituents detected in soil samples collected for this unit are presented in Table 2. The concentration of each constituent detected at sampling location is shown on Figure 1. No VOCs were detected in the soil samples submitted to the LEA Analytical Laboratory. From the samples submitted to QNT from NK-SB-341 and NK-SB-342, acetone was detected at concentrations of 15J µg/kg in both samples methylene chloride was detected at concentrations of 3.1J and 7.5 µg/kg, respectively, and. The pH ranged from 4.8 to 5.5. The pH of the soil samples from the adjacent unit (the Outside Chemical Storage Shed) ranged from 4.8 to 6.6.

Barium, chromium, lead, and nickel were detected in soil boring NK-SB-341 at a depth of 6 to 8 feet at concentrations of 36.5, 4.8, 1.9, and 7.5 mg/kg, respectively. Barium, chromium, lead, and nickel were detected in soil boring NK-SB-342 at a depth of 6 to 8 feet at concentrations of 37.7, 5.7, 1.9, and 6.1 mg/kg, respectively. The concentrations of the metals detected in these samples are typical of site-wide background concentrations. The metals detected at this unit are believed to be typical of background concentrations, and are not indicative of a release from this unit.

Concentrations of constituents detected in groundwater sample collected from soil borings NK-SB-341 and NK-SB-342 are presented in Table 4. Groundwater samples were submitted to QNT for analysis for VOCs and metals. No VOCs were detected in the groundwater samples submitted to QNT. Metals detected in both groundwater samples collected from both soil borings included arsenic, barium, chromium, lead, nickel, and zinc. The concentrations of metals detected in groundwater from NK-SB-341 were: arsenic, 0.0146 mg/l; barium, 0.779 LJ mg/l; chromium, 0.0584 mg/l; lead, 0.0181 mg/l; nickel, 0.0611 mg/l; and zinc 0.3 LJ mg/l. The concentrations of metals detected in groundwater from NK-SB-342 were: arsenic, 0.0206 mg/l; barium, 0.797 mg/l; chromium, 0.216 mg/l; lead, 0.0657 mg/l; nickel, 0.121 mg/l; and zinc 3.18 mg/l. The "L" qualifier indicates that physical and chemical interferences were present in the analysis, and the "J" qualifier indicates that the concentration is estimated.

Data Evaluation and Conclusions: Based on field observations and the laboratory results, there is no evidence that a release has occurred at this unit. Elevated zinc concentrations are present in groundwater; although, the concentrations in the soil are typical of background. The data were compared against the default numeric criteria included in the RSR and the site-wide background soil concentrations. This evaluation of the soils data is based on a comparison to the RDEC, the GBPMC included in the RSR, as well as the site-wide background soil concentrations. The qualitative evaluation of the groundwater data is based on a comparison to the SWPC and the residential and industrial/commercial volatilization criteria included in the RSR.

The concentrations of the metals detected in these soil samples are typical of "Walpole Soils" background concentrations, and are not indicative of a release from this unit. The pH of the soil samples collected at the same depth were similar at both environmental units.

The concentrations of barium detected in the groundwater samples, which occurs naturally, are typical of background concentrations and are not indicative of a release from this unit. For the metals detected in soil, no exceedances of the residential or industrial/commercial direct exposure criteria were noted. For the metals detected in groundwater, arsenic, lead, and zinc were detected above their respective surface water protection criteria of 0.004, 0.013, and 0.123

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mg/l in NK-SB-341 and NK-SB-342. For the metals detected in soil, no exceedances of the residential or industrial/commercial direct exposure criteria were noted.

PROPOSED ACTIONS:

Based on the soil pH results, no evidence of a potential acid release was observed. No elevated zinc concentrations were identified in unsaturated soils in this unit. With respect to the elevated zinc detected in the groundwater, the groundwater data may indicate naturally elevated zinc concentrations.

REFERENCES:

Keystone Aerial Surveys, Inc. 1965, *Aerial Photo of Rentschler Airport and Surrounding Areas*, East Hartford, CT.

Keystone Aerial Surveys, Inc. 1970, *Aerial Photo of Rentschler Airport and Surrounding Areas*, East Hartford, CT.

Keystone Aerial Surveys, Inc. 1975, *Aerial Photo of Rentschler Airport and Surrounding Areas*, East Hartford, CT.

Loureiro Engineering Associates, August 18, 1995, *Rentschler Airport and Klondike Areas Data Gap Investigation and Work Plan*, Pratt & Whitney, 400 Main Street, East Hartford, CT.

Loureiro Engineering Associates, October 1995, *Rentschler Airport and Klondike Areas Data Gap Investigation and Work Plan*, United Technologies Corporation, Pratt & Whitney, 400 Main Street, East Hartford, CT.

P&W Photographic Services Department, 1969, *Aerial Photograph, Negative Number Z-36268*, Pratt & Whitney, East Hartford, CT.

P&W Photographic Services Department, 1975, *Aerial Photograph, Negative Number CN-50747*, Pratt & Whitney, East Hartford, CT.

P&W Photographic Services Department, 1977, *Aerial Photograph, Negative Number 77445-0054AB* Pratt & Whitney, East Hartford, CT.

TABLES

Table 1
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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Sample Information					Analysis Information									
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
NK-SB-16	1015564	7/2/96	0	2	SB	x								
NK-SB-16	1015565	7/2/96	2	4	SB	x	x					x	x	x
NK-SB-16	1015566	7/2/96	4	6	SB	x								
NK-SB-16	1015567	7/2/96	6	8	SB	x								
NK-SB-16	1015568	7/2/96	8	10	SB	x	x					x		x
NK-SB-16	1015569	7/2/96	10	12	SB	x								
NK-SB-16	1015570	7/2/96	12	14	SB	x								
NK-SB-16	1015571	7/2/96	14	15	SB	x								
NK-SB-16	1015671	7/3/96	5	7	GW		x					x		x
NK-SB-17	1015503	7/2/96	0	2	SB	x								
NK-SB-17	1015504	7/2/96	2	4	SB	x	x					x	x	x
NK-SB-17	1015505	7/2/96	4	6	SB	x								
NK-SB-17	1015506	7/2/96	4	6	SB	x								
NK-SB-17	1015507	7/2/96	6	8	SB	x								
NK-SB-17	1015508	7/2/96	8	10	SB	x								
NK-SB-17	1015509	7/2/96	10	12	SB	x								
NK-SB-17	1015510	7/2/96	12	14	SB	x								
NK-SB-17	1015563	7/2/96	14	15	SB	x	x					x		x
NK-SB-17	1015669	7/3/96	5	7	GW		x					x		x
NK-SB-208	1019303	10/16/96	0	2	SB	x								
NK-SB-208	1019304	10/16/96	2	4	SB	x								x
NK-SB-208	1019305	10/16/96	4	6	SB	x								
NK-SB-208	1019306	10/16/96	6	8	SB	x						x		
NK-SB-208	1019263	10/16/96	7	9	GW							x		
NK-SB-208	1019307	10/16/96	8	10	SB	x								
NK-SB-208	1019308	10/16/96	10	12	SB	x								
NK-SB-209	1019309	10/16/96	0	2	SB	x								
NK-SB-209	1019310	10/16/96	2	4	SB	x								x
NK-SB-209	1019311	10/16/96	4	6	SB	x								
NK-SB-209	1019312	10/16/96	6	8	SB	x						x		
NK-SB-209	1019313	10/16/96	6	8	SB	x								

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit

2. Printed on 07/21/99

Table 1
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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Sample Information						Analysis Information								
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
NK-SB-209	1019264	10/16/96	7	9	GW							X		
NK-SB-209	1019314	10/16/96	8	10	SB	x								
NK-SB-209	1019315	10/16/96	10	12	SB	x	-							
NK-SB-210	1019316	10/16/96	0	2	SB	x								
NK-SB-210	1019317	10/16/96	2	4	SB	x								X
NK-SB-210	1019318	10/16/96	4	6	SB	x						X		
NK-SB-210	1019265	10/16/96	4.5	6.5	GW							X		
NK-SB-210	1019319	10/16/96	6	8	SB	x								
NK-SB-341	1637999	7/16/97	0	2	SB	x								
NK-SB-341	1638000	7/16/97	2	4	SB	x								
NK-SB-341	1638001	7/16/97	2	4	SB	x								
NK-SB-341	1638002	7/16/97	4	6	SB	x								
NK-SB-341	1638020	7/16/97	4	8	GW		x					X		
NK-SB-341	1638003	7/16/97	6	8	SB	x	X					X		
NK-SB-341	1638004	7/16/97	8	10	SB	x								
NK-SB-341	1638005	7/16/97	10	12	SB	x								
NK-SB-342	1638006	7/16/97	0	2	SB	x								
NK-SB-342	1638007	7/16/97	2	4	SB	x								
NK-SB-342	1638008	7/16/97	4	6	SB	x								
NK-SB-342	1638021	7/16/97	4	8	GW		x					X		
NK-SB-342	1638009	7/16/97	6	8	SB	x	X					X		
NK-SB-342	1638010	7/16/97	8	10	SB	x								
NK-SB-342	1638011	7/16/97	10	12	SB	x								

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit

2. Printed on 07/21/99

Table 2
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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Notes: 1. Only Detects Shown
2. Printed on 07/26/1999



Table 2
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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Notes: 1. Only Detects Shown
2. Printed on 07/26/1999

Table 2
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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Notes: 1. Only Detects Shown
2. Printed on 07/26/1999



Table 2
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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Notes: 1. Only Detects Shown
2. Printed on 07/26/1999

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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	Location ID	NK-SB-16	NK-SB-16	NK-SB-16	NK-SB-16	NK-SB-16	NK-SB-16	NK-SB-16
Sample ID	1015564	1015565	1015565	1015565	1015565	1015566	1015566	1015567
Sample Date	07/02/1996	07/02/1996	07/02/1996	07/02/1996	07/02/1996	07/02/1996	07/02/1996	07/02/1996
Sample Time	14:00	14:10	14:10	14:10	14:10	14:30	14:45	
Sample Depth	0' - 2'	2' - 4'	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	
Laboratory	LEA	AEL	AEL	AEL	LEA	LEA	LEA	
Lab. Number	96-3193-042	AEL96007309	AEL96010882	AEL97002195	96-3197-046	96-3198-047	96-3200-049	
Constituent	Units							
Date Metals Analyzed	-		07/10/1996					
Date Organics Analyzed	-	07/03/1996	07/08/1996			07/03/1996	07/03/1996	07/03/1996
Date Physical Analyzed	-		07/18/1996		02/28/1997			
Date of Metals SPLP Analysis	-			10/11/1996				
Arsenic	mg/kg		<1.16					
Arsenic (SPLP)	mg/L			<0.010				
Barium	mg/kg		13.7					
Barium (SPLP)	mg/L			<1.00				
Cadmium	mg/kg		<3.49					
Cadmium (SPLP)	mg/L			<0.0010				
Chromium	mg/kg		<5.81					
Chromium (SPLP)	mg/L			<0.050				
Lead	mg/kg		<23.2					
Lead (SPLP)	mg/L			<0.0050				
Mercury	mg/kg		<0.232					
Mercury (SPLP)	mg/L			<0.0020				
Nickel	mg/kg		<11.6					
Nickel (SPLP)	mg/L			<0.10				
Selenium	mg/kg		<1.16					
Selenium (SPLP)	mg/L			<0.010				
Silver	mg/kg		<5.81					
Silver (SPLP)	mg/L			<0.020				
Zinc	mg/kg		23.6					
Zinc (SPLP)	mg/L			0.126				
Dibromo-3-chloropropane, 1,2-	µg/kg							
Total Petroleum Hydrocarbons	mg/kg		<38.3					
pH	No Un							
pH of Soil	SU	-	-	-	5.6	-	-	-

Notes: 1. Printed on 08/03/1999

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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	Location ID	NK-SB-16	NK-SB-16	NK-SB-16	NK-SB-16	NK-SB-16	NK-SB-16	NK-SB-16
Sample ID	1015564	1015565	1015565	1015565	1015565	1015566	1015566	1015567
Sample Date	07/02/1996	07/02/1996	07/02/1996	07/02/1996	07/02/1996	07/02/1996	07/02/1996	07/02/1996
Sample Time	14:00	14:10	14:10	14:10	14:10	14:30		14:45
Sample Depth	0' - 2'	2' - 4'	2' - 4'	2' - 4'	2' - 4'	4' - 6'		6' - 8'
Laboratory	LEA	AEL	AEL	AEL	LEA	LEA		LEA
Lab. Number	96-3193-042	AEL96007309	AEL96010882	AEL97002195	96-3197-046	96-3198-047		96-3200-049
Constituent	Units							
Dichloro-2-butylene,1,4-trans-	µg/kg							
Acetone	µg/kg		<37					
Acetonitrile	µg/kg							
Acrolein	µg/kg		<18					
Acrylonitrile	µg/kg		<18					
Allyl Chloride	µg/kg							
Benzene	µg/kg		<7.3					
Benzene (screening)	µg/kg	<17 nc				<19 nc	<13	<11 nc
Bromobenzene	µg/kg		<7.3					
Bromoform	µg/kg		<7.3					
Carbon Disulfide	µg/kg		<7.3					
Carbon Tetrachloride	µg/kg		<7.3					
Chlorobenzene	µg/kg		<7.3				-	
Chlorodibromomethane	µg/kg		<7.3					
Chloroethane	µg/kg		<7.3					
Chloroethyl Vinyl Ether,2-	µg/kg		<7.3					
Chloroform	µg/kg		<7.3					
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg		<7.3					
Chlorotoluene,p-	µg/kg		<7.3					
Dibromomethane	µg/kg		<7.3					
Dichlorobenzene,1,2-	µg/kg		<7.3					
Dichlorobenzene,1,3-	µg/kg		<7.3					
Dichlorobenzene,1,4-	µg/kg		<7.3					
Dichlorobromomethane	µg/kg		<7.3					
Dichlorodifluoromethane	µg/kg		<7.3					
Dichloroethane,1,1-	µg/kg		<7.3					
Dichloroethane,1,2-	µg/kg		<7.3					

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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	Location ID	NK-SB-16						
	Sample ID	1015564	1015565	1015565	1015565	1015565	1015566	1015567
	Sample Date	07/02/1996	07/02/1996	07/02/1996	07/02/1996	07/02/1996	07/02/1996	07/02/1996
	Sample Time	14:00	14:10	14:10	14:10	14:10	14:30	14:45
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	LEA	AEL	AEL	AEL	LEA	LEA	LEA
	Lab. Number	96-3193-042	AEL96007309	AEL96010882	AEL97002195	96-3197-046	96-3198-047	96-3200-049
Constituent	Units							
Dichloroethylene, 1,1-	µg/kg		<7.3					
Dichloroethylene, 1,2-cis-	µg/kg		<7.3					
Dichloroethylene, 1,2-trans-	µg/kg		<7.3					
Dichloropropane, 1,2-	µg/kg		<7.3					
Dichloropropylene, 1,3-, NOS	µg/kg							
Dichloropropylene, 1,3-cis-	µg/kg		<7.3					
Dichloropropylene, 1,3-trans-	µg/kg		<7.3					
Dioxane, 1,4-	µg/kg							
Ethylbenzene	µg/kg		<7.3					
Ethylbenzene (screening)	µg/kg							
Ethylene Dibromide	µg/kg							
Ethylmethacrylate	µg/kg							
Hexanone, 2-	µg/kg		<18					
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg		<7.3					
Methyl Chloride	µg/kg		<7.3					
Methyl Ethyl Ketone	µg/kg		<18					
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone, 4-	µg/kg		<18					
Methyl-tert-butyl Ether	µg/kg		<7.3					
Methylene Chloride	µg/kg		<7.3					
Propionitrile	µg/kg							
Styrene	µg/kg		<7.3					
Tetrachloroethane, 1,1,1,2-	µg/kg		<7.3					
Tetrachloroethane, 1,1,2,2-	µg/kg		<7.3					
Tetrachloroethylene	µg/kg		<7.3					

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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	Location ID	NK-SB-16	NK-SB-16	NK-SB-16	NK-SB-16	NK-SB-16	NK-SB-17	NK-SB-17
	Sample ID	1015568	1015568	1015569	1015570	1015571	1015503	1015504
	Sample Date	07/02/1996	07/02/1996	07/02/1996	07/02/1996	07/02/1996	07/02/1996	07/02/1996
	Sample Time	14:50	14:50	14:57	15:15	15:20	10:25	10:29
	Sample Depth	8' - 10'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	0' - 2'	2' - 4'
	Laboratory	AEL	LEA	LEA	LEA	LEA	LEA	AEL
	Lab. Number	AEL96007310	96-3199-048	96-3201-050	96-3202-051	96-3203-052	96-3184-033	AEL96007307
Constituent	Units							
Date Metals Analyzed	-	07/10/1996						07/10/1996
Date Organics Analyzed	-	07/08/1996	07/03/1996	07/03/1996	07/03/1996	07/03/1996	07/03/1996	07/08/1996
Date Physical Analyzed	-	07/18/1996						07/18/1996
Date of Metals SPLP Analysis	-							
Arsenic	mg/kg	7.8						<1.15
Arsenic (SPLP)	mg/L							
Barium	mg/kg	389						13.7
Barium (SPLP)	mg/L							
Cadmium	mg/kg	<5.03						<3.46
Cadmium (SPLP)	mg/L							
Chromium	mg/kg	52.9						6.42
Chromium (SPLP)	mg/L							
Lead	mg/kg	<33.5						<23.1
Lead (SPLP)	mg/L							
Mercury	mg/kg	<0.335						<0.231
Mercury (SPLP)	mg/L							
Nickel	mg/kg	47.5						<11.5
Nickel (SPLP)	mg/L							
Selenium	mg/kg	<1.68						<1.15
Selenium (SPLP)	mg/L							
Silver	mg/kg	<8.38						<5.77
Silver (SPLP)	mg/L							
Zinc	mg/kg	115						65.2
Zinc (SPLP)	mg/L							
Dibromo-3-chloropropane,1,2-	µg/kg							
Total Petroleum Hydrocarbons	mg/kg	<76.4						<39.2
pH	No Un							
pH of Soil	SU							

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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	Location ID	NK-SB-16	NK-SB-16	NK-SB-16	NK-SB-16	NK-SB-16	NK-SB-17	NK-SB-17
Sample ID	1015568	1015568	1015569	1015570	1015571	1015503	1015504	
Sample Date	07/02/1996	07/02/1996	07/02/1996	07/02/1996	07/02/1996	07/02/1996	07/02/1996	07/02/1996
Sample Time	14:50	14:50	14:57	15:15	15:20	10:25		10:29
Sample Depth	8' - 10'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	0' - 2'		2' - 4'
Laboratory	AEL	LEA	LEA	LEA	LEA	LEA		AEL
Lab. Number	AEL96007310	96-3199-048	96-3201-050	96-3202-051	96-3203-052	96-3184-033		AEL96007307
Constituent	Units							
Dichloro-2-butylene, 1,4-trans-	µg/kg							
Acetone	µg/kg	<140						<37
Acetonitrile	µg/kg							
Acrolein	µg/kg	<70						<18
Acrylonitrile	µg/kg	<70						<18
Allyl Chloride	µg/kg							
Benzene	µg/kg	<28						<7.4
Benzene (screening)	µg/kg		<13	<14	<16	<16	<11 nc	
Bromobenzene	µg/kg	<28						<7.4
Bromoform	µg/kg	<28						<7.4
Carbon Disulfide	µg/kg	<28						<7.4
Carbon Tetrachloride	µg/kg	<28						<7.4
Chlorobenzene	µg/kg	<28						<7.4
Chlorodibromomethane	µg/kg	<28						<7.4
Chloroethane	µg/kg	<28						<7.4
Chloroethyl Vinyl Ether,2-	µg/kg	<28						<7.4
Chloroform	µg/kg	<28						<7.4
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg	<28						<7.4
Chlorotoluene,p-	µg/kg	<28						<7.4
Dibromomethane	µg/kg	<28						<7.4
Dichlorobenzene,1,2-	µg/kg	<28						<7.4
Dichlorobenzene,1,3-	µg/kg	<28						<7.4
Dichlorobenzene,1,4-	µg/kg	<28						<7.4
Dichlorobromomethane	µg/kg	<28						<7.4
Dichlorodifluoromethane	µg/kg	<28						<7.4
Dichloroethane,1,1-	µg/kg	<28						<7.4
Dichloroethane,1,2-	µg/kg	<28						<7.4

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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	Location ID	NK-SB-16	NK-SB-16	NK-SB-16	NK-SB-16	NK-SB-16	NK-SB-17	NK-SB-17
Sample ID	1015568	1015568	1015569	1015570	1015571	1015503	1015504	
Sample Date	07/02/1996	07/02/1996	07/02/1996	07/02/1996	07/02/1996	07/02/1996	07/02/1996	07/02/1996
Sample Time	14:50	14:50	14:57	15:15	15:20	10:25	10:29	
Sample Depth	8' - 10'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	0' - 2'	2' - 4'	
Laboratory	AEL	LEA	LEA	LEA	LEA	LEA	AEL	
Lab. Number	AEL96007310	96-3199-048	96-3201-050	96-3202-051	96-3203-052	96-3184-033	AEL96007307	
Constituent	Units							
Dichloroethylene, 1,1-	µg/kg	<28						<7.4
Dichloroethylene, 1,2-cis-	µg/kg	<28						<7.4
Dichloroethylene, 1,2-trans-	µg/kg	<28						<7.4
Dichloropropane, 1,2-	µg/kg	<28						<7.4
Dichloropropylene, 1,3-, NOS	µg/kg							
Dichloropropylene, 1,3-cis-	µg/kg	<28						<7.4
Dichloropropylene, 1,3-trans-	µg/kg	<28						<7.4
Dioxane, 1,4-	µg/kg							
Ethylbenzene	µg/kg	<28						<7.4
Ethylbenzene (screening)	µg/kg							
Ethylene Dibromide	µg/kg							
Ethylmethacrylate	µg/kg							
Hexanone, 2-	µg/kg	<70						<18
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg	<28						<7.4
Methyl Chloride	µg/kg	<28						<7.4
Methyl Ethyl Ketone	µg/kg	<70						<18
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone, 4-	µg/kg	<70						<18
Methyl-tert-butyl Ether	µg/kg	<28						<7.4
Methylene Chloride	µg/kg	<28						<7.4
Propionitrile	µg/kg							
Styrene	µg/kg	<28						<7.4
Tetrachloroethane, 1,1,1,2-	µg/kg	<28						<7.4
Tetrachloroethane, 1,1,2,2-	µg/kg	<28						<7.4
Tetrachloroethylene	µg/kg	<28						<7.4

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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	Location ID	NK-SB-17						
	Sample ID	1015504	1015504	1015504	1015505	1015506	1015507	1015508
	Sample Date	07/02/1996	07/02/1996	07/02/1996	07/02/1996	07/02/1996	07/02/1996	07/02/1996
	Sample Time	10:29	10:29	10:29	11:00	11:08	11:15	11:20
	Sample Depth	2' - 4'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	6' - 8'	8' - 10'
	Laboratory	AEL	AEL	LEA	LEA	LEA	LEA	LEA
	Lab. Number	AEL96010883	AEL97002194	96-3185-034	96-3186-035	96-3187-036	96-3188-037	96-3189-038
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-			07/03/1996	07/03/1996	07/03/1996	07/03/1996	07/03/1996
Date Physical Analyzed	-		02/28/1997					
Date of Metals SPLP Analysis	-	10/11/1996						
Arsenic	mg/kg							
Arsenic (SPLP)	mg/L	<0.010						
Barium	mg/kg							
Barium (SPLP)	mg/L	<1.00						
Cadmium	mg/kg							
Cadmium (SPLP)	mg/L	<0.0010						
Chromium	mg/kg							
Chromium (SPLP)	mg/L	<0.050						
Lead	mg/kg							
Lead (SPLP)	mg/L	<0.0050						
Mercury	mg/kg							
Mercury (SPLP)	mg/L	<0.0020						
Nickel	mg/kg							
Nickel (SPLP)	mg/L	<0.10						
Selenium	mg/kg							
Selenium (SPLP)	mg/L	<0.010						
Silver	mg/kg							
Silver (SPLP)	mg/L	<0.020						
Zinc	mg/kg							
Zinc (SPLP)	mg/L	0.134						
Dibromo-3-chloropropane, 1,2-	µg/kg							
Total Petroleum Hydrocarbons	mg/kg							
pH	No Un							
pH of Soil	SU		5.5					

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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	Location ID	NK-SB-17	NK-SB-17	NK-SB-17	NK-SB-17	NK-SB-17	NK-SB-17	NK-SB-17
Sample ID	1015504	1015504	1015504	1015505	1015506	1015507	1015508	
Sample Date	07/02/1996	07/02/1996	07/02/1996	07/02/1996	07/02/1996	07/02/1996	07/02/1996	07/02/1996
Sample Time	10:29	10:29	10:29	11:00	11:08	11:15		11:20
Sample Depth	2' - 4'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	6' - 8'		8' - 10'
Laboratory	AEL	AEL	LEA	LEA	LEA	LEA		LEA
Lab. Number	AEL96010883	AEL97002194	96-3185-034	96-3186-035	96-3187-036	96-3188-037		96-3189-038
Constituent	Units							
Dichloro-2-butylene,1,4-trans-	µg/kg							
Acetone	µg/kg							
Acetonitrile	µg/kg							
Acrolein	µg/kg							
Acrylonitrile	µg/kg							
Allyl Chloride	µg/kg							
Benzene	µg/kg							
Benzene (screening)	µg/kg			<16	<14	<19 nc	<16	<17 nc
Bromobenzene	µg/kg							
Bromoform	µg/kg							
Carbon Disulfide	µg/kg							
Carbon Tetrachloride	µg/kg							
Chlorobenzene	µg/kg							
Chlorodibromomethane	µg/kg							
Chloroethane	µg/kg							
Chloroethyl Vinyl Ether,2-	µg/kg							
Chloroform	µg/kg							
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg							
Chlorotoluene,p-	µg/kg							
Dibromomethane	µg/kg							
Dichlorobenzene,1,2-	µg/kg							
Dichlorobenzene,1,3-	µg/kg							
Dichlorobenzene,1,4-	µg/kg							
Dichlorobromomethane	µg/kg							
Dichlorodifluoromethane	µg/kg							
Dichloroethane,1,1-	µg/kg							
Dichloroethane,1,2-	µg/kg							

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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	Location ID	NK-SB-17						
	Sample ID	1015504	1015504	1015504	1015505	1015506	1015507	1015508
	Sample Date	07/02/1996	07/02/1996	07/02/1996	07/02/1996	07/02/1996	07/02/1996	07/02/1996
	Sample Time	10:29	10:29	10:29	11:00	11:08	11:15	11:20
	Sample Depth	2' - 4'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	6' - 8'	8' - 10'
	Laboratory	AEL	AEL	LEA	LEA	LEA	LEA	LEA
	Lab. Number	AEL96010883	AEL97002194	96-3185-034	96-3186-035	96-3187-036	96-3188-037	96-3189-038
Constituent	Units							
Dichloroethylene, 1,1-	µg/kg							
Dichloroethylene, 1,2-cis-	µg/kg							
Dichloroethylene, 1,2-trans-	µg/kg							
Dichloropropane, 1,2-	µg/kg							
Dichloropropylene, 1,3-, NOS	µg/kg							
Dichloropropylene, 1,3-cis-	µg/kg							
Dichloropropylene, 1,3-trans-	µg/kg							
Dioxane, 1,4-	µg/kg							
Ethylbenzene	µg/kg							
Ethylbenzene (screening)	µg/kg							
Ethylene Dibromide	µg/kg							
Ethylmethacrylate	µg/kg							
Hexanone, 2-	µg/kg							
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg							
Methyl Chloride	µg/kg							
Methyl Ethyl Ketone	µg/kg							
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone, 4-	µg/kg							
Methyl-tert-butyl Ether	µg/kg							
Methylene Chloride	µg/kg							
Propionitrile	µg/kg							
Styrene	µg/kg							
Tetrachloroethane, 1,1,1,2-	µg/kg							
Tetrachloroethane, 1,1,2,2-	µg/kg							
Tetrachloroethylene	µg/kg							

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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	Location ID	NK-SB-17	NK-SB-17	NK-SB-17	NK-SB-17	NK-SB-208	NK-SB-208	NK-SB-208
Sample ID	1015509	1015510	1015563	1015563	1019303	1019304	1019304	1019304
Sample Date	07/02/1996	07/02/1996	07/02/1996	07/02/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996
Sample Time	11:30	11:40	11:47	11:47	09:30	09:40	09:40	09:40
Sample Depth	10' - 12'	12' - 14'	14' - 15'	14' - 15'	0' - 2'	2' - 4'	2' - 4'	2' - 4'
Laboratory	LEA	LEA	AEL	LEA	LEA	AEL	AEL	LEA
Lab. Number	96-3190-039	96-3191-040	AEL96007308	96-3192-041	96-5209-045	AEL97002201	96-5211-050	
Constituent	Units							
Date Metals Analyzed	-			07/10/1996				
Date Organics Analyzed	-	07/03/1996	07/03/1996	07/08/1996	07/03/1996	10/18/1996		10/18/1996
Date Physical Analyzed	-			07/18/1996			02/28/1997	
Date of Metals SPLP Analysis	-							
Arsenic	mg/kg			5.33				
Arsenic (SPLP)	mg/L							
Barium	mg/kg			286				
Barium (SPLP)	mg/L							
Cadmium	mg/kg			<4.57				
Cadmium (SPLP)	mg/l.			-				
Chromium	mg/kg			48.2				
Chromium (SPLP)	mg/L							
Lead	mg/kg			<30.5				
Lead (SPLP)	mg/L							
Mercury	mg/kg			<0.305				
Mercury (SPLP)	mg/L							
Nickel	mg/kg			43.1				
Nickel (SPLP)	mg/L							
Selenium	mg/kg			<1.52				
Selenium (SPLP)	mg/L							
Silver	mg/kg			<7.62				
Silver (SPLP)	mg/L							
Zinc	mg/kg			107				
Zinc (SPLP)	mg/L							
Dibromo-3-chloropropane, 1,2-	µg/kg							
Total Petroleum Hydrocarbons	mg/kg			<75.2				
pH	No Un							
pH of Soil	SU						6.7	

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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	Location ID	NK-SB-17	NK-SB-17	NK-SB-17	NK-SB-17	NK-SB-208	NK-SB-208	NK-SB-208
	Sample ID	1015509	1015510	1015563	1015563	1019303	1019304	1019304
	Sample Date	07/02/1996	07/02/1996	07/02/1996	07/02/1996	10/16/1996	10/16/1996	10/16/1996
	Sample Time	11:30	11:40	11:47	11:47	09:30	09:40	09:40
	Sample Depth	10' - 12'	12' - 14'	14' - 15'	14' - 15'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	LEA	LEA	AEL	LEA	LEA	AEL	LEA
	Lab. Number	96-3190-039	96-3191-040	AEL96007308	96-3192-041	96-5209-045	AEL97002201	96-5211-050
Constituent	Units							
Dichloro-2-butylene, 1,4-trans-	µg/kg							
Acetone	µg/kg			<140				
Acetonitrile	µg/kg							
Acrolein	µg/kg			<68				
Acrylonitrile	µg/kg			<68				
Allyl Chloride	µg/kg							
Benzene	µg/kg			<27				
Benzene (screening)	µg/kg	<16	<17 nc		<15	<7		<8 nc
Bromobenzene	µg/kg			<27				
Bromoform	µg/kg			<27				
Carbon Disulfide	µg/kg			<27				
Carbon Tetrachloride	µg/kg			<27				
Chlorobenzene	µg/kg			<27				
Chlorodibromomethane	µg/kg			<27				
Chloroethane	µg/kg			<27				
Chloroethyl Vinyl Ether, 2-	µg/kg			<27				
Chloroform	µg/kg			<27				
Chloroprene, beta-	µg/kg							
Chlorotoluene, o-	µg/kg			<27				
Chlorotoluene, p-	µg/kg			<27				
Dibromomethane	µg/kg			<27				
Dichlorobenzene, 1,2-	µg/kg			<27				
Dichlorobenzene, 1,3-	µg/kg			<27				
Dichlorobenzene, 1,4-	µg/kg			<27				
Dichlorobromomethane	µg/kg			<27				
Dichlorodifluoromethane	µg/kg			<27				
Dichloroethane, 1,1-	µg/kg			<27				
Dichloroethane, 1,2-	µg/kg			<27				

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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	Location ID	NK-SB-17	NK-SB-17	NK-SB-17	NK-SB-17	NK-SB-208	NK-SB-208	NK-SB-208
Sample ID	1015509	1015510	1015563	1015563	1019303	1019304	1019304	
Sample Date	07/02/1996	07/02/1996	07/02/1996	07/02/1996	10/16/1996	10/16/1996	10/16/1996	
Sample Time	11:30	11:40	11:47	11:47	09:30	09:40	09:40	
Sample Depth	10' - 12'	12' - 14'	14' - 15'	14' - 15'	0' - 2'	2' - 4'	2' - 4'	
Laboratory	LEA	LEA	AEL	LEA	LEA	AEL	AEL	
Lab. Number	96-3190-039	96-3191-040	AEL96007308	96-3192-041	96-5209-045	AEL97002201	96-5211-050	
Constituent	Units							
Dichloroethylene, 1,1-	µg/kg			<27				
Dichloroethylene, 1,2-cis-	µg/kg			<27				
Dichloroethylene, 1,2-trans-	µg/kg			<27				
Dichloropropane, 1,2-	µg/kg			<27				
Dichloropropylene, 1,3-, NOS	µg/kg							
Dichloropropylene, 1,3-cis-	µg/kg			<27				
Dichloropropylene, 1,3-trans-	µg/kg			<27				
Dioxane, 1,4-	µg/kg							
Ethylbenzene	µg/kg			<27				
Ethylbenzene (screening)	µg/kg					<14		<17 nc
Ethylene Dibromide	µg/kg							
Ethylmethacrylate	µg/kg							
Hexanone, 2-	µg/kg			<68				
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg			<27				
Methyl Chloride	µg/kg			<27				
Methyl Ethyl Ketone	µg/kg			<68				
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone, 4-	µg/kg			<68				
Methyl-tert-butyl Ether	µg/kg			<27				
Methylene Chloride	µg/kg			<27				
Propionitrile	µg/kg							
Styrene	µg/kg			<27				
Tetrachloroethane, 1,1,1,2-	µg/kg			<27				
Tetrachloroethane, 1,1,2,2-	µg/kg			<27				
Tetrachloroethylene	µg/kg			<27				

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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	Location ID	NK-SB-208	NK-SB-208	NK-SB-208	NK-SB-208	NK-SB-208	NK-SB-209	NK-SB-209
Sample ID	1019305	1019306	1019306	1019307	1019308	1019309	1019310	
Sample Date	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996
Sample Time	09:50	10:00	10:00	10:10	10:20	10:50		11:00
Sample Depth	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	0' - 2'		2' - 4'
Laboratory	LEA	AEL	LEA	LEA	LEA	LEA		AEL
Lab. Number	96-5212-051	AEL96011872	96-5213-052	96-5214-053	96-5215-054	96-5216-055		AEL97002202
Constituent	Units							
Date Metals Analyzed	-		10/23/1996					
Date Organics Analyzed	-	10/18/1996		10/18/1996	10/18/1996	10/18/1996	10/18/1996	
Date Physical Analyzed	-							02/28/1997
Date of Metals SPLP Analysis	-							
Arsenic	mg/kg		<1.17					
Arsenic (SPLP)	mg/L							
Barium	mg/kg		110					
Barium (SPLP)	mg/L							
Cadmium	mg/kg		<3.51					
Cadmium (SPLP)	mg/L							
Chromium	mg/kg		5.84					
Chromium (SPLP)	mg/L							
Lead	mg/kg		<23.4					
Lead (SPLP)	mg/L							
Mercury	mg/kg		<0.234					
Mercury (SPLP)	mg/L							
Nickel	mg/kg		<11.7					
Nickel (SPLP)	mg/L							
Selenium	mg/kg		<1.17					
Selenium (SPLP)	mg/L							
Silver	mg/kg		<5.84					
Silver (SPLP)	mg/L							
Zinc	mg/kg		16.5					
Zinc (SPLP)	mg/L							
Dibromo-3-chloropropane, 1,2-	µg/kg							
Total Petroleum Hydrocarbons	mg/kg							
pH	No Un							
pH of Soil	SU							7.1

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SUMMARY OF ANALYTICAL RESULTS - SOIL
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	Location ID	NK-SB-208	NK-SB-208	NK-SB-208	NK-SB-208	NK-SB-208	NK-SB-209	NK-SB-209
Sample ID	1019305	1019306	1019306	1019307	1019308	1019309	1019310	1019310
Sample Date	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996
Sample Time	09:50	10:00	10:00	10:10	10:20	10:50		11:00
Sample Depth	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	0' - 2'		2' - 4'
Laboratory	LEA	AEL	LEA	LEA	LEA	LEA		AEL
Lab. Number	96-5212-051	AEL96011872	96-5213-052	96-5214-053	96-5215-054	96-5216-055		AEL97002202
Constituent	Units							
Dichloro-2-butylene,1,4-trans-	µg/kg							
Acetone	µg/kg							
Acetonitrile	µg/kg							
Acrolein	µg/kg							
Acrylonitrile	µg/kg							
Allyl Chloride	µg/kg							
Benzene	µg/kg							
Benzene (screening)	µg/kg	<8		<8	<8	<8		<8
Bromobenzene	µg/kg							
Bromoform	µg/kg							
Carbon Disulfide	µg/kg							
Carbon Tetrachloride	µg/kg							
Chlorobenzene	µg/kg							
Chlorodibromomethane	µg/kg							
Chloroethane	µg/kg							
Chloroethyl Vinyl Ether,2-	µg/kg							
Chloroform	µg/kg							
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg							
Chlorotoluene,p-	µg/kg							
Dibromomethane	µg/kg							
Dichlorobenzene,1,2-	µg/kg							
Dichlorobenzene,1,3-	µg/kg							
Dichlorobenzene,1,4-	µg/kg							
Dichlorobromomethane	µg/kg							
Dichlorodifluoromethane	µg/kg							
Dichloroethane,1,1-	µg/kg							
Dichloroethane,1,2-	µg/kg							

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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	Location ID	NK-SB-208	NK-SB-208	NK-SB-208	NK-SB-208	NK-SB-208	NK-SB-209	NK-SB-209
Sample ID	1019305	1019306	1019306	1019307	1019308	1019309	1019310	
Sample Date	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996
Sample Time	09:50	10:00	10:00	10:10	10:20	10:30		11:00
Sample Depth	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	0' - 2'		2' - 4'
Laboratory	LEA	AEL	LEA	LEA	LEA	LEA		AEL
Lab. Number	96-5212-051	AEL96011872	96-5213-052	96-5214-053	96-5215-054	96-5216-055		AEL97002202
Constituent	Units							
Dichloroethylene, 1,1-	µg/kg							
Dichloroethylene, 1,2-cis-	µg/kg							
Dichloroethylene, 1,2-trans-	µg/kg							
Dichloropropane, 1,2-	µg/kg							
Dichloropropylene, 1,3-, NOS	µg/kg							
Dichloropropylene, 1,3-cis-	µg/kg							
Dichloropropylene, 1,3-trans-	µg/kg							
Dioxane, 1,4-	µg/kg							
Ethylbenzene	µg/kg							
Ethylbenzene (screening)	µg/kg	<16		<17	<16	<16		<16
Ethylene Dibromide	µg/kg							
Ethylmethacrylate	µg/kg							
Hexanone, 2-	µg/kg							
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg							
Methyl Chloride	µg/kg							
Methyl Ethyl Ketone	µg/kg							
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone, 4-	µg/kg							
Methyl-tert-butyl Ether	µg/kg							
Methylene Chloride	µg/kg							
Propionitrile	µg/kg							
Styrene	µg/kg							
Tetrachloroethane, 1,1,1,2-	µg/kg							
Tetrachloroethane, 1,1,2,2-	µg/kg							
Tetrachloroethylene	µg/kg							

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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SUMMARY OF ANALYTICAL RESULTS - SOIL
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	Location ID	NK-SB-209						
	Sample ID	1019310	1019311	1019312	1019312	1019313	1019314	1019315
	Sample Date	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996
	Sample Time	11:00	11:10	11:20	11:20	11:30	11:40	11:50
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	LEA
	Lab. Number	96-5217-056	96-5218-057	AEL96011873	96-5220-059	96-5221-060	96-5223-062	96-5224-063
Constituent	Units							
Date Metals Analyzed	-			10/23/1996				
Date Organics Analyzed	-	10/18/1996	10/18/1996		10/18/1996	10/18/1996	10/18/1996	10/18/1996
Date Physical Analyzed	-							
Date of Metals SPLP Analysis	-							
Arsenic	mg/kg			<1.18				
Arsenic (SPLP)	mg/L							
Barium	mg/kg			31				
Barium (SPLP)	mg/L							
Cadmium	mg/kg			<3.54				
Cadmium (SPLP)	mg/L							
Chromium	mg/kg			<5.9				
Chromium (SPLP)	mg/L							
Lead	mg/kg			<23.6				
Lead (SPLP)	mg/L							
Mercury	mg/kg			<0.236				
Mercury (SPLP)	mg/L							
Nickel	mg/kg			<11.8				
Nickel (SPLP)	mg/L							
Selenium	mg/kg			<1.18				
Selenium (SPLP)	mg/L							
Silver	mg/kg			<5.9				
Silver (SPLP)	mg/L							
Zinc	mg/kg			14.3				
Zinc (SPLP)	mg/L							
Dibromo-3-chloropropane, 1,2-	µg/kg							
Total Petroleum Hydrocarbons	mg/kg							
pH	No Un							
pH of Soil	SU							

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
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	Location ID	NK-SB-209						
	Sample ID	1019310	1019311	1019312	1019312	1019313	1019314	1019315
	Sample Date	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996
	Sample Time	11:00	11:10	11:20	11:20	11:30	11:40	11:50
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	LEA
	Lab. Number	96-5217-056	96-5218-057	AEL96011873	96-5220-059	96-5221-060	96-5223-062	96-5224-063
Constituent	Units							
Dichloro-2-butylene, 1,4-trans-	µg/kg							
Acetone	µg/kg							
Acetonitrile	µg/kg							
Acrolein	µg/kg							
Acrylonitrile	µg/kg							
Allyl Chloride	µg/kg							
Benzene	µg/kg							
Benzene (screening)	µg/kg	<8	<7		<8	<7	<8	<8
Bromobenzene	µg/kg							
Bromoform	µg/kg							
Carbon Disulfide	µg/kg							
Carbon Tetrachloride	µg/kg							
Chlorobenzene	µg/kg							
Chlorodibromomethane	µg/kg							
Chloroethane	µg/kg							
Chloroethyl Vinyl Ether, 2-	µg/kg							
Chloroform	µg/kg							
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg							
Chlorotoluene,p-	µg/kg							
Dibromomethane	µg/kg							
Dichlorobenzene, 1,2-	µg/kg							
Dichlorobenzene, 1,3-	µg/kg							
Dichlorobenzene, 1,4-	µg/kg							
Dichlorobromomethane	µg/kg							
Dichlorodifluoromethane	µg/kg							
Dichloroethane,1,1-	µg/kg							
Dichloroethane,1,2-	µg/kg							

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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	Location ID	NK-SB-209						
	Sample ID	1019310	1019311	1019312	1019312	1019313	1019314	1019315
	Sample Date	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996
	Sample Time	11:00	11:10	11:20	11:20	11:30	11:40	11:50
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	LEA	LEA	AEL	LEA	LEA	LEA	LEA
	Lab. Number	96-5217-056	96-5218-057	AEL96011873	96-5220-059	96-5221-060	96-5223-062	96-5224-063
Constituent	Units							
Dichloroethylene, 1,1-	µg/kg							
Dichloroethylene, 1,2-cis-	µg/kg							
Dichloroethylene, 1,2-trans-	µg/kg							
Dichloropropane, 1,2-	µg/kg							
Dichloropropylene, 1,3-, NOS	µg/kg							
Dichloropropylene, 1,3-cis-	µg/kg							
Dichloropropylene, 1,3-trans-	µg/kg							
Dioxane, 1,4-	µg/kg							
Ethylbenzene	µg/kg							
Ethylbenzene (screening)	µg/kg	<16	<14		<16	<14	<16	<17
Ethylene Dibromide	µg/kg							
Ethylmethacrylate	µg/kg							
Hexanone, 2-	µg/kg							
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg							
Methyl Chloride	µg/kg							
Methyl Ethyl Ketone	µg/kg							
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone, 4-	µg/kg							
Methyl-tert-butyl Ether	µg/kg							
Methylene Chloride	µg/kg							
Propionitrile	µg/kg							
Styrene	µg/kg							
Tetrachloroethane, 1,1,1,2-	µg/kg							
Tetrachloroethane, 1,1,2,2-	µg/kg							
Tetrachloroethylene	µg/kg							

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P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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SUMMARY OF ANALYTICAL RESULTS - SOIL
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	Location ID	NK-SB-210	NK-SB-210	NK-SB-210	NK-SB-210	NK-SB-210	NK-SB-210	NK-SB-341
Sample ID	1019316	1019317	1019317	1019318	1019318	1019319	1019319	1637999
Sample Date	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996	07/16/1997
Sample Time	12:50	13:00	13:00	13:10	13:10	13:20	13:20	13:00
Sample Depth	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	6' - 8'	6' - 8'	0' - 2'
Laboratory	LEA	AEL	LEA	AEL	LEA	LEA	LEA	LEA
Lab. Number	96-5225-064	AEL97002203	96-5226-065	AEL96011874	96-5227-066	96-5228-067	96-5228-067	25-1377-787
Constituent	Units							
Date Metals Analyzed	-				10/23/1996			
Date Organics Analyzed	-	10/18/1996		10/18/1996		10/18/1996	10/18/1996	07/17/1997
Date Physical Analyzed	-		02/28/1997					
Date of Metals SPLP Analysis	-							
Arsenic	mg/kg				1.3			
Arsenic (SPLP)	mg/L							
Barium	mg/kg				55.7			
Barium (SPLP)	mg/L							
Cadmium	mg/kg				<3.48			
Cadmium (SPLP)	mg/L							
Chromium	mg/kg				<5.8			
Chromium (SPLP)	mg/L							
Lead	mg/kg				<23.2			
Lead (SPLP)	mg/L							
Mercury	mg/kg				<0.232			
Mercury (SPLP)	mg/L							
Nickel	mg/kg				<11.6			
Nickel (SPLP)	mg/L							
Selenium	mg/kg				<1.16			
Selenium (SPLP)	mg/L							
Silver	mg/kg				<5.8			
Silver (SPLP)	mg/L							
Zinc	mg/kg				12.5			
Zinc (SPLP)	mg/L							
Dibromo-3-chloropropane, 1,2-	µg/kg							
Total Petroleum Hydrocarbons	mg/kg							
pH	No Un							
pH of Soil	SU		5.0					

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SUMMARY OF ANALYTICAL RESULTS - SOIL
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	Location ID	NK-SB-210	NK-SB-210	NK-SB-210	NK-SB-210	NK-SB-210	NK-SB-210	NK-SB-341
	Sample ID	1019316	1019317	1019317	1019318	1019318	1019319	1637999
	Sample Date	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996	07/16/1997
	Sample Time	12:50	13:00	13:00	13:10	13:10	13:20	13:00
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	6' - 8'	0' - 2'
	Laboratory	LEA	AEL	LEA	AEL	LEA	LEA	LEA
	Lab. Number	96-5225-064	AEL97002203	96-5226-065	AEL96011874	96-5227-066	96-5228-067	25-1377-787
Constituent	Units							
Dichloro-2-butylene, 1,4-trans-	µg/kg							
Acetone	µg/kg							
Acetonitrile	µg/kg							
Acrolein	µg/kg							
Acrylonitrile	µg/kg							
Allyl Chloride	µg/kg							
Benzene	µg/kg							
Benzene (screening)	µg/kg	<7		<7		<7	<7	<7
Bromobenzene	µg/kg							
Bromoform	µg/kg							
Carbon Disulfide	µg/kg							
Carbon Tetrachloride	µg/kg							
Chlorobenzene	µg/kg							
Chlorodibromomethane	µg/kg							
Chloroethane	µg/kg							
Chloroethyl Vinyl Ether,2-	µg/kg							
Chloroform	µg/kg							
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg							
Chlorotoluene,p-	µg/kg							
Dibromomethane	µg/kg							
Dichlorobenzene,1,2-	µg/kg							
Dichlorobenzene,1,3-	µg/kg							
Dichlorobenzene,1,4-	µg/kg							
Dichlorobromomethane	µg/kg							
Dichlorodifluoromethane	µg/kg							
Dichloroethane,1,1-	µg/kg							
Dichloroethane,1,2-	µg/kg							

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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	Location ID	NK-SB-210	NK-SB-210	NK-SB-210	NK-SB-210	NK-SB-210	NK-SB-210	NK-SB-341
	Sample ID	1019316	1019317	1019317	1019318	1019318	1019319	1637999
	Sample Date	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996	10/16/1996	07/16/1997
	Sample Time	12:50	13:00	13:00	13:10	13:10	13:20	13:00
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	6' - 8'	0' - 2'
	Laboratory	LEA	AEL	LEA	AEL	LEA	LEA	LEA
	Lab. Number	96-5225-064	AEL97002203	96-5226-065	AEL96011874	96-5227-066	96-5228-067	25-1377-787
Constituent	Units							
Dichloroethylene, 1,1-	µg/kg							
Dichloroethylene, 1,2-cis-	µg/kg							
Dichloroethylene, 1,2-trans-	µg/kg							
Dichloroproppane, 1,2-	µg/kg							
Dichloropropylene, 1,3-, NOS	µg/kg							
Dichloropropylene, 1,3-cis-	µg/kg							
Dichloropropylene, 1,3-trans-	µg/kg							
Dioxane, 1,4-	µg/kg							
Ethylbenzene	µg/kg							
Ethylbenzene (screening)	µg/kg	<16		<15		<14	<14	<11
Ethylene Dibromide	µg/kg							
Ethylmethacrylate	µg/kg							
Hexanone, 2-	µg/kg							
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg							
Methyl Chloride	µg/kg							
Methyl Ethyl Ketone	µg/kg							
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone, 4-	µg/kg							
Methyl-tert-butyl Ether	µg/kg							
Methylene Chloride	µg/kg							
Propionitrile	µg/kg							
Styrene	µg/kg							
Tetrachloroethane, 1,1,1,2-	µg/kg							
Tetrachloroethane, 1,1,2,2-	µg/kg							
Tetrachloroethylene	µg/kg							

Notes: 1. Printed on 08/03/1999

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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Notes: 1. Printed on 08/03/1999

LCA

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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	Location ID	NK-SB-341	NK-SB-341	NK-SB-341	NK-SB-341	NK-SB-341	NK-SB-341	NK-SB-341
	Sample ID	1638000	1638000	1638001	1638001	1638002	1638002	1638002
	Sample Date	07/16/1997	07/16/1997	07/16/1997	07/16/1997	07/16/1997	07/16/1997	07/16/1997
	Sample Time	13:05	13:05	13:10	13:10	13:20	13:20	13:20
	Sample Depth	2' - 4'	2' - 4'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	4' - 6'
	Laboratory	LEA	QUAN	LEA	QUAN	LEA	QUAN	QUAN
	Lab. Number	25-1378-788	A7G210123002	25-1379-789	A7G210123003	25-1380-790	A7G210123004	X7G210123004
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	07/17/1997		07/17/1997		07/17/1997		
Date Physical Analyzed	-							
Date of Metals SPLP Analysis	-							
Arsenic	mg/kg							
Arsenic (SPLP)	mg/L							
Barium	mg/kg							
Barium (SPLP)	mg/L							
Cadmium	mg/kg							
Cadmium (SPLP)	mg/L							
Chromium	mg/kg							
Chromium (SPLP)	mg/L							
Lead	mg/kg							
Lead (SPLP)	mg/L							
Mercury	mg/kg							
Mercury (SPLP)	mg/L							
Nickel	mg/kg							
Nickel (SPLP)	mg/L							
Selenium	mg/kg							
Selenium (SPLP)	mg/L							
Silver	mg/kg							
Silver (SPLP)	mg/L							
Zinc	mg/kg							
Zinc (SPLP)	mg/L							
Dibromo-3-chloropropane, 1,2-	µg/kg							
Total Petroleum Hydrocarbons	mg/kg							
pH	No Un		6.7		7.2		7.0	7.1
pH of Soil	SU							

Notes: 1. Printed on 08/03/1999

LEA

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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	Location ID	NK-SB-341	NK-SB-341	NK-SB-341	NK-SB-341	NK-SB-341	NK-SB-341	NK-SB-341
Sample ID	1638000	1638000	1638001	1638001	1638002	1638002	1638002	1638002
Sample Date	07/16/1997	07/16/1997	07/16/1997	07/16/1997	07/16/1997	07/16/1997	07/16/1997	07/16/1997
Sample Time	13:05	13:05	13:10	13:10	13:20	13:20	13:20	13:20
Sample Depth	2' - 4'	2' - 4'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	4' - 6'	4' - 6'
Laboratory	LEA	QUAN	LEA	QUAN	LEA	QUAN	QUAN	QUAN
Lab. Number	25-1378-788	A7G210123002	25-1379-789	A7G210123003	25-1380-790	A7G210123004	X7G210123004	
Constituent	Units							
Dichloro-2-butylene,1,4-trans-	µg/kg							
Acetone	µg/kg							
Acetonitrile	µg/kg							
Acrolein	µg/kg							
Acrylonitrile	µg/kg							
Allyl Chloride	µg/kg							
Benzene	µg/kg							
Benzene (screening)	µg/kg	<7		<7		<8		
Bromobenzene	µg/kg							
Bromoform	µg/kg							
Carbon Disulfide	µg/kg							
Carbon Tetrachloride	µg/kg							
Chlorobenzene	µg/kg							
Chlorodibromomethane	µg/kg							
Chloroethane	µg/kg							
Chloroethyl Vinyl Ether,2-	µg/kg							
Chloroform	µg/kg							
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg							
Chlorotoluene,p-	µg/kg							
Dibromomethane	µg/kg							
Dichlorobenzene,1,2-	µg/kg							
Dichlorobenzene,1,3-	µg/kg							
Dichlorobenzene,1,4-	µg/kg							
Dichlorobromomethane	µg/kg							
Dichlorodifluoromethane	µg/kg							
Dichloroethane,1,1-	µg/kg							
Dichloroethane,1,2-	µg/kg							

Notes: 1. Printed on 08/03/1999



Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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	Location ID	NK-SB-341	NK-SB-341	NK-SB-341	NK-SB-341	NK-SB-341	NK-SB-341	NK-SB-341
Sample ID	1638000	1638000	1638001	1638001	1638002	1638002	1638002	1638002
Sample Date	07/16/1997	07/16/1997	07/16/1997	07/16/1997	07/16/1997	07/16/1997	07/16/1997	07/16/1997
Sample Time	13:05	13:05	13:10	13:10	13:20	13:20	13:20	13:20
Sample Depth	2' - 4'	2' - 4'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	4' - 6'	4' - 6'
Laboratory	LEA	QUAN	LEA	QUAN	LEA	QUAN	QUAN	QUAN
Lab. Number	25-1378-788	A7G210123002	25-1379-789	A7G210123003	25-1380-790	A7G210123004	X7G210123004	
Constituent	Units							
Dichloroethylene,1,1-	µg/kg							
Dichloroethylene,1,2-cis-	µg/kg							
Dichloroethylene,1,2-trans-	µg/kg							
Dichloropropane,1,2-	µg/kg							
Dichloropropylene,1,3-, NOS	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg							
Dichloropropylene,1,3-trans-	µg/kg							
Dioxane,1,4-	µg/kg							
Ethylbenzene	µg/kg							
Ethylbenzene (screening)	µg/kg	<10		<11		<11		
Ethylene Dibromide	µg/kg							
Ethylmethacrylate	µg/kg							
Hexanone,2-	µg/kg							
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg							
Methyl Chloride	µg/kg							
Methyl Ethyl Ketone	µg/kg							
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg							
Methyl-tert-butyl Ether	µg/kg							
Methylene Chloride	µg/kg							
Propionitrile	µg/kg							
Styrene	µg/kg							
Tetrachloroethane,1,1,1,2-	µg/kg							
Tetrachloroethane,1,1,2,2-	µg/kg							
Tetrachloroethylene	µg/kg							

Notes: 1. Printed on 08/03/1999

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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Notes: 1. Printed on 08/03/1999



Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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	Location ID	NK-SB-341	NK-SB-341	NK-SB-341	NK-SB-341	NK-SB-342	NK-SB-342	NK-SB-342
Sample ID	1638003	1638003	1638004	1638005	1638006	1638007	1638007	1638007
Sample Date	07/16/1997	07/16/1997	07/16/1997	07/16/1997	07/16/1997	07/16/1997	07/16/1997	07/16/1997
Sample Time	13:30	13:30	13:35	13:40	14:25	14:30	14:30	14:30
Sample Depth	6' - 8'	6' - 8'	8' - 10'	10' - 12'	0' - 2'	2' - 4'	2' - 4'	2' - 4'
Laboratory	LEA	QUAN	LEA	LEA	LEA	LEA	LEA	QUAN
Lab. Number	25-1381-791	A7G210123005	25-1382-792	25-1383-793	25-1384-794	25-1385-795	25-1385-795	A7G210123009
Constituent	Units							
Date Metals Analyzed	-		07/23/1997					
Date Organics Analyzed	-	07/17/1997	07/29/1997	07/17/1997	07/17/1997	07/17/1997	07/17/1997	07/17/1997
Date Physical Analyzed	-							
Date of Metals SPLP Analysis	-							
Arsenic	mg/kg		<1.3 U					
Arsenic (SPLP)	mg/L							
Barium	mg/kg		36.5					
Barium (SPLP)	mg/L							
Cadmium	mg/kg		<0.13 U					
Cadmium (SPLP)	mg/L							
Chromium	mg/kg		4.8					
Chromium (SPLP)	mg/L							
Lead	mg/kg		1.9					
Lead (SPLP)	mg/L							
Mercury	mg/kg		<0.19 U					
Mercury (SPLP)	mg/L							
Nickel	mg/kg		7.5					
Nickel (SPLP)	mg/L							
Selenium	mg/kg		<1.0 U					
Selenium (SPLP)	mg/L							
Silver	mg/kg		<3.8 U					
Silver (SPLP)	mg/L							
Zinc	mg/kg		<19.1 U					
Zinc (SPLP)	mg/L							
Dibromo-3-chloropropane, 1,2-	µg/kg		<6.4 U					
Total Petroleum Hydrocarbons	mg/kg							
pH	No Un		4.8					6.4
pH of Soil	SU							

Notes: 1. Printed on 08/03/1999

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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	Location ID	NK-SB-341	NK-SB-341	NK-SB-341	NK-SB-341	NK-SB-342	NK-SB-342	NK-SB-342
	Sample ID	1638003	1638003	1638004	1638005	1638006	1638007	1638007
	Sample Date	07/16/1997	07/16/1997	07/16/1997	07/16/1997	07/16/1997	07/16/1997	07/16/1997
	Sample Time	13:30	13:30	13:35	13:40	14:25	14:30	14:30
	Sample Depth	6' - 8'	6' - 8'	8' - 10'	10' - 12'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	LEA	QUAN	LEA	LEA	LEA	LEA	QUAN
	Lab. Number	25-1381-791	A7G210123005	25-1382-792	25-1383-793	25-1384-794	25-1385-795	A7G210123009
Constituent	Units							
Dichloro-2-butylene, 1,4-trans-	µg/kg		<6.4 U J					
Acetone	µg/kg		15 J					
Acetonitrile	µg/kg		<64 U R					
Acrolein	µg/kg		<64 U					
Acrylonitrile	µg/kg		<130 U					
Allyl Chloride	µg/kg		<130 U					
Benzene	µg/kg		<6.4 U					
Benzene (screening)	µg/kg	<7		<8	<7	<8	<7	
Bromobenzene	µg/kg							
Bromoform	µg/kg		<6.4 U					
Carbon Disulfide	µg/kg		<6.4 U					
Carbon Tetrachloride	µg/kg		<6.4 U					
Chlorobenzene	µg/kg		<6.4 U					
Chlorodibromomethane	µg/kg		<6.4 U					
Chloroethane	µg/kg		<13 U					
Chloroethyl Vinyl Ether,2-	µg/kg							
Chloroform	µg/kg		<6.4 U					
Chloroprene,beta-	µg/kg		<6.4 U					
Chlorotoluene,o-	µg/kg							
Chlorotoluene,p-	µg/kg							
Dibromomethane	µg/kg		<6.4 U					
Dichlorobenzene,1,2-	µg/kg							
Dichlorobenzene,1,3-	µg/kg							
Dichlorobenzene,1,4-	µg/kg							
Dichlorobromomethane	µg/kg		<6.4 U					
Dichlorodifluoromethane	µg/kg		<6.4 U					
Dichloroethane,1,1-	µg/kg		<6.4 U					
Dichloroethane,1,2-	µg/kg		<6.4 U					

Notes: 1. Printed on 08/03/1999

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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	Location ID	NK-SB-341	NK-SB-341	NK-SB-341	NK-SB-341	NK-SB-342	NK-SB-342	NK-SB-342
Sample ID	1638003	1638003	1638004	1638005	1638006	1638007	1638007	1638007
Sample Date	07/16/1997	07/16/1997	07/16/1997	07/16/1997	07/16/1997	07/16/1997	07/16/1997	07/16/1997
Sample Time	13:30	13:30	13:35	13:40	14:25	14:30	14:30	
Sample Depth	6' - 8'	6' - 8'	8' - 10'	10' - 12'	0' - 2'	2' - 4'	2' - 4'	
Laboratory	LEA	QUAN	LEA	LEA	LEA	LEA	LEA	QUAN
Lab. Number	25-1381-791	A7G210123003	25-1382-792	25-1383-793	25-1384-794	25-1385-795	25-1385-795	A7G210123009
Constituent	Units							
Dichloroethylene,1,1-	µg/kg		<6.4 U					
Dichloroethylene,1,2-cis-	µg/kg		<6.4 U					
Dichloroethylene,1,2-trans-	µg/kg		<6.4 U					
Dichloropropane,1,2-	µg/kg		<6.4 U					
Dichloropropylene,1,3-, NOS	µg/kg		<6.4 U					
Dichloropropylene,1,3-cis-	µg/kg							
Dichloropropylene,1,3-trans-	µg/kg							
Dioxane,1,4-	µg/kg		<190 U R					
Ethylbenzene	µg/kg		<6.4 U					
Ethylbenzene (screening)	µg/kg	<10		<11	<10	<11	<10	
Ethylene Dibromide	µg/kg		<6.4 U					
Ethylmethacrylate	µg/kg		<6.4 U					
Hexanone,2-	µg/kg		<64 U					
Iodomethane	µg/kg		<6.4 U					
Isobutyl Alcohol	µg/kg		<64 U R					
Methacrylonitrile	µg/kg		<6.4 U					
Methyl Bromide	µg/kg		<13 U					
Methyl Chloride	µg/kg		<13 U					
Methyl Ethyl Ketone	µg/kg		<130 U					
Methyl Methacrylate	µg/kg		<6.4 U					
Methyl-2-pentanone,4-	µg/kg		<13 U					
Methyl-tert-butyl Ether	µg/kg		<6.4 U					
Methylene Chloride	µg/kg		3.1 J					
Propionitrile	µg/kg		<26 U					
Styrene	µg/kg		<6.4 U					
Tetrachloroethane,1,1,1,2-	µg/kg		<6.4 U					
Tetrachloroethane,1,1,2,2-	µg/kg		<6.4 U					
Tetrachloroethylene	µg/kg		<6.4 U					

Notes: 1. Printed on 08/03/1999

LEA

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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Notes: 1. Printed on 08/03/1999



Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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	Location ID	NK-SB-342	NK-SB-342	NK-SB-342	NK-SB-342	NK-SB-342	NK-SB-342	
Sample ID	1638008	1638008	1638009	1638009	1638010	1638011		
Sample Date	07/16/1997	07/16/1997	07/16/1997	07/16/1997	07/16/1997	07/16/1997		
Sample Time	14:40	14:40	14:45	14:45	14:55	15:00		
Sample Depth	4' - 6'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'		
Laboratory	LEA	QUAN	LEA	QUAN	LEA	LEA		
Lab. Number	25-1386-796	A7G210123010	25-1387-797	A7G210123011	25-1388-798	25-1389-799		
Constituent	Units							
Date Metals Analyzed	-				07/23/1997			
Date Organics Analyzed	-	07/17/1997		07/17/1997	07/29/1997	07/17/1997	07/17/1997	
Date Physical Analyzed	-							
Date of Metals SPLP Analysis	-							
Arsenic	mg/kg				<1.3 U			
Arsenic (SPLP)	mg/L							
Barium	mg/kg				37.7			
Barium (SPLP)	mg/L							
Cadmium	mg/kg				<0.13 U			
Cadmium (SPLP)	mg/L							
Chromium	mg/kg				5.7			
Chromium (SPLP)	mg/L							
Lead	mg/kg				1.9			
Lead (SPLP)	mg/L							
Mercury	mg/kg				<0.19 U			
Mercury (SPLP)	mg/L							
Nickel	mg/kg				6.1			
Nickel (SPLP)	mg/L							
Selenium	mg/kg				<1.0 U			
Selenium (SPLP)	mg/L							
Silver	mg/kg				<3.8 U			
Silver (SPLP)	mg/L							
Zinc	mg/kg				<18.9 U			
Zinc (SPLP)	mg/L							
Dibromo-3-chloropropane, 1,2-	µg/kg				<6.3 U			
Total Petroleum Hydrocarbons	mg/kg							
pH	No Un		5.5		5.5			
pH of Soil	SU							

Notes: 1. Printed on 08/03/1999

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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	Location ID	NK-SB-342	NK-SB-342	NK-SB-342	NK-SB-342	NK-SB-342	NK-SB-342	
Sample ID	1638008	1638008	1638009	1638009	1638010	1638011		
Sample Date	07/16/1997	07/16/1997	07/16/1997	07/16/1997	07/16/1997	07/16/1997		
Sample Time	14:40	14:40	14:45	14:45	14:55	15:00		
Sample Depth	4' - 6'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'		
Laboratory	LEA	QUAN	LEA	QUAN	LEA	LEA		
Lab. Number	25-1386-796	A7G210123010	25-1387-797	A7G210123011	25-1388-798	25-1389-799		
Constituent	Units							
Dichloro-2-butylene,1,4-trans-	µg/kg				<6.3 U			
Acetone	µg/kg				15 J			
Acetonitrile	µg/kg				<63 U R			
Acrolein	µg/kg				<63 U			
Acrylonitrile	µg/kg				<130 U			
Allyl Chloride	µg/kg				<130 U			
Benzene	µg/kg				<6.3 U			
Benzene (screening)	µg/kg	<7		<7		<7	<6	
Bromobenzene	µg/kg							
Bromoform	µg/kg				<6.3 U			
Carbon Disulfide	µg/kg				<6.3 U			
Carbon Tetrachloride	µg/kg				<6.3 U			
Chlorobenzene	µg/kg				<6.3 U			
Chlorodibromomethane	µg/kg				<6.3 U			
Chloroethane	µg/kg				<13 U			
Chloroethyl Vinyl Ether,2-	µg/kg							
Chloroform	µg/kg				<6.3 U			
Chloroprene,beta-	µg/kg				<6.3 U			
Chlorotoluene,o-	µg/kg							
Chlorotoluene,p-	µg/kg							
Dibromomethane	µg/kg				<6.3 U			
Dichlorobenzene,1,2-	µg/kg							
Dichlorobenzene,1,3-	µg/kg							
Dichlorobenzene,1,4-	µg/kg							
Dichlorobromomethane	µg/kg				<6.3 U			
Dichlorodifluoromethane	µg/kg				<6.3 U			
Dichloroethane,1,1-	µg/kg				<6.3 U			
Dichloroethane,1,2-	µg/kg				<6.3 U			

Notes: 1. Printed on 08/03/1999

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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	Location ID	NK-SB-342	NK-SB-342	NK-SB-342	NK-SB-342	NK-SB-342	NK-SB-342	
	Sample ID	1638008	1638008	1638009	1638009	1638010	1638011	
	Sample Date	07/16/1997	07/16/1997	07/16/1997	07/16/1997	07/16/1997	07/16/1997	
	Sample Time	14:40	14:40	14:45	14:45	14:55	15:00	
	Sample Depth	4' - 6'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'	
	Laboratory	LEA	QUAN	LEA	QUAN	LEA	LEA	
	Lab. Number	25-1386-796	A7G210123010	25-1387-797	A7G210123011	25-1388-798	25-1389-799	
Constituent	Units							
Dichloroethylene, 1,1-	µg/kg				<6.3 U			
Dichloroethylene, 1,2-cis-	µg/kg				<6.3 U			
Dichloroethylene, 1,2-trans-	µg/kg				<6.3 U			
Dichloropropane, 1,2-	µg/kg				<6.3 U			
Dichloropropylene, 1,3-, NOS	µg/kg				<6.3 U			
Dichloropropylene, 1,3-cis-	µg/kg							
Dichloropropylene, 1,3-trans-	µg/kg							
Dioxane, 1,4-	µg/kg				<190 U R			
Ethylbenzene	µg/kg				<6.3 U			
Ethylbenzene (screening)	µg/kg	<10		<10		<10	<9	
Ethylene Dibromide	µg/kg				<6.3 U			
Ethylmethacrylate	µg/kg				<6.3 U			
Hexanone, 2-	µg/kg				<63 U			
Iodomethane	µg/kg				<6.3 U			
Isobutyl Alcohol	µg/kg				<63 U R			
Methacrylonitrile	µg/kg				<6.3 U			
Methyl Bromide	µg/kg				<13 U			
Methyl Chloride	µg/kg				<13 U			
Methyl Ethyl Ketone	µg/kg				<130 U			
Methyl Methacrylate	µg/kg				<6.3 U			
Methyl-2-pentanone, 4-	µg/kg				<13 U			
Methyl-tert-butyl Ether	µg/kg				<6.3 U			
Methylene Chloride	µg/kg				7.5			
Propionitrile	µg/kg				<25 U			
Styrene	µg/kg				<6.3 U			
Tetrachloroethane, 1,1,1,2-	µg/kg				<6.3 U			
Tetrachloroethane, 1,1,2,2-	µg/kg				<6.3 U			
Tetrachloroethylene	µg/kg				<6.3 U			

Notes: 1. Printed on 08/03/1999



Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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Notes: 1. Printed on 08/03/1999



Table 4 **DRAFT**
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - GROUNDWATER
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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Notes: 1. Only Detects Shown
2. Printed on 07/21/99

Table 5
SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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	Location ID	NK-SB-16	NK-SB-17	NK-SB-208	NK-SB-209	NK-SB-210	NK-SB-341	NK-SB-342
	Sample ID	1015671	1015669	1019263	1019264	1019265	1638020	1638021
	Sample Date	07/03/1996	07/03/1996	10/16/1996	10/16/1996	10/16/1996	07/16/1997	07/16/1997
	Sample Time	11:50	11:15	10:35	12:00	13:50	13:45	14:45
	Sample Depth	5' - 7'	5' - 7'	7' - 9'	7' - 9'	4.5' - 6.5'	4' - 8'	4' - 8'
	Laboratory	AEL	AEL	AEL	AEL	AEL	QUAN	QUAN
	Lab. Number	AEL96007377	AEL96007376	AEL96011735	AEL96011736	AEL96011737	A7G210123017	A7G210123018
Constituent	Units							
Date Metals Analyzed	-	07/17/1996	07/17/1996	10/22/1996	10/22/1996	10/22/1996	08/05/1997	08/05/1997
Date Organics Analyzed	-	07/10/1996	07/10/1996				07/30/1997	07/30/1997
Date Physical Analyzed	-	07/16/1996	07/16/1996					
pH (Liquid)	No Un						5.7 J	5.6 J
Arsenic	mg/L	<0.010	<0.010	<0.004	<0.004	<0.004	0.0146	0.0206
Barium	mg/L	0.055	0.034	0.108	0.058	0.069	0.779 L J	0.797
Cadmium	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050 U	<0.0050 U
Chromium	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	0.0584	0.216
Lead	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0181	0.0657
Mercury	mg/L	<0.0010	<0.0010	<0.0004	<0.0004	<0.0004	<0.00020 U	<0.00020 U
Nickel	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	0.0611	0.121
Selenium	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.0050 U	<0.0050 U
Silver	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.0100 U	<0.0100 U
Zinc	mg/L	0.156	0.299	0.090	0.012	0.085	0.3 L J	3.18
Dibromo-3-chloropropane, 1,2-	µg/L						<5.0 U	<5.0 U
Total Petroleum Hydrocarbons	mg/L	<1.0	<1.0					
Dichloro-2-butylene, 1,4-trans-	µg/L						<5.0 U	<5.0 U
Acetone	µg/L	<50	<100				<100 U R	<100 U R
Acrolein	µg/L	<10	<10				<20 U R	<20 U R
Acrylonitrile	µg/L	<10	<10				<20 U	<20 U
Allyl Chloride	µg/L						<100 U	<100 U
Benzene	µg/L	<4.0	<4.0				<1.0 U	<1.0 U
Bromobenzene	µg/L	<4.0	<4.0					
Bromoform	µg/L	<4.0	<4.0				<4.0 U	<4.0 U
Carbon Disulfide	µg/L	<4.0	<4.0				<5.0 U	<5.0 U
Carbon Tetrachloride	µg/L	<4.0	<4.0				<5.0 U	<5.0 U
Chlorobenzene	µg/L	<4.0	<4.0				<5.0 U	<5.0 U
Chlorodibromomethane	µg/L	<4.0	<4.0				<0.50 U	<0.50 U

Notes: 1. Printed on 07/21/99



Table 5
SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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	Location ID	NK-SB-16	NK-SB-17	NK-SB-208	NK-SB-209	NK-SB-210	NK-SB-341	NK-SB-342
Sample ID	1015671	1015669	1019263	1019264	1019265	1638020	1638021	
Sample Date	07/03/1996	07/03/1996	10/16/1996	10/16/1996	10/16/1996	07/16/1997	07/16/1997	
Sample Time	11:50	11:15	10:35	12:00	13:50	13:45	14:45	
Sample Depth	5' - 7'	5' - 7'	7' - 9'	7' - 9'	4.5' - 6.5'	4' - 8'	4' - 8'	
Laboratory	AEL	AEL	AEL	AEL	AEL	QUAN	QUAN	
Lab. Number	AEL96007377	AEL96007376	AEL96011735	AEL96011736	AEL96011737	A7G210123017	A7G210123018	
Constituent	Units							
Chloroethane	µg/L	<4.0	<4.0			<10 U	<10 U	
Chloroethyl Vinyl Ether,2-	µg/L	<4.0	<4.0					
Chloroform	µg/L	<4.0	<4.0			<5.0 U	<5.0 U	
Chloroprene,beta-	µg/L					<5.0 U	<5.0 U	
Chlorotoluene,o-	µg/L	<4.0	<4.0					
Chlorotoluene,p-	µg/L	<4.0	<4.0					
Dibromomethane	µg/L	<4.0	<4.0			<5.0 U	<5.0 U	
Dichlorobenzene,1,2-	µg/L	<4.0	<4.0					
Dichlorobenzene,1,3-	µg/L	<4.0	<4.0					
Dichlorobenzene,1,4-	µg/L	<4.0	<4.0					
Dichlorobromomethane	µg/L	<4.0	<4.0			<5.0 U	<5.0 U	
Dichlorodifluoromethane	µg/L	<4.0	<4.0			<5.0 U	<5.0 U	
Dichloroethane,1,1-	µg/L	<4.0	<4.0			<5.0 U	<5.0 U	
Dichloroethane,1,2-	µg/L	<4.0	<4.0			<1.0 U	<1.0 U	
Dichloroethylene,1,1-	µg/L	<4.0	<4.0			<1.0 U	<1.0 U	
Dichloroethylene,1,2-cis-	µg/L	<4.0	<4.0			<5.0 U	<5.0 U	
Dichloroethylene,1,2-trans-	µg/L	<4.0	<4.0			<5.0 U	<5.0 U	
Dichloropropane,1,2-	µg/L	<4.0	<4.0			<5.0 U	<5.0 U	
Dichloropropylene,1,3-, NOS	µg/L					<5.0 U	<5.0 U	
Dichloropropylene,1,3-cis-	µg/L	<4.0	<4.0			<1.0 U	<1.0 U	
Dichloropropylene,1,3-trans-	µg/L	<4.0	<4.0			<1.0 U	<1.0 U	
Dioxane,1,4-	µg/L					<150 U R	<150 U R	
Ethylbenzene	µg/L	<4.0	<4.0			<5.0 U	<5.0 U	
Ethylene Dibromide	µg/L					<0.50 U	<0.50 U	
Ethylmethacrylate	µg/L					<5.0 U	<5.0 U	
Hexanone,2-	µg/L	<10	<10			<50 U	<50 U	
Iodomethane	µg/L					<5.0 U	<5.0 U	
Isobutyl Alcohol	µg/L					<50 U R	<50 U R	

Notes: 1. Printed on 07/21/99

Table 5
SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

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Table 6 *DRAFT*
GROUNDWATER EXCEEDANCES OF THE SURFACE WATER PROTECTION CRITERIA
P&W East Hartford: Explosives Storage Area - Chemical Storage Building

Page 1 of 1

Notes: 1. Only Exceedances Shown
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EXPLOSIVE CHEMICAL STORAGE BUILDING
LOCATION & CONSTITUENTS DETECTED MAP**